

## Job Title: Young Graduate Trainee for Engineering Systems with Business

Req ID 3963 - Posted 21/03/2018



### EUROPEAN SPACE AGENCY

Young Graduate Traineeship Opportunity in the Directorate of Earth Observation Programmes.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

#### Post

Young Graduate Trainee for Engineering Systems with Business  
This post is classified F1.

#### Location

ESRIN, Frascati, Italy

#### Our team and mission

Within the Directorate of Earth Observation Programmes, the  $\Phi$  Department (EOP-  $\Phi$ ) is responsible for defining and preparing future EO systems and architectures, including the investigation of new domains in Earth Observation, such as disruptive methods and technologies.

More particularly, the  $\Phi$ -Lab is charged to promote investment in industrial innovation within the EO domain, and develop partnerships with new actors entering the EO sector. These include EO constellation operators, start-ups, micro-companies, SMEs, major internet and IT companies. Within  $\Phi$ -Lab, the Invest Section ( $\Phi$ -Lab I) focusses on the EO commercial aspects.

Among others,  $\Phi$ -Lab I is managing the ESA InCubed programme. Whereas institutional and private European Space actors have so far created a flourishing Earth Observation (EO) sector in Earth Science, meteorology, environmental and security monitoring, EO market is currently undergoing a rapid transition, with new implementation approaches (e.g. constellation of micro-satellites, vertical integration of space borne with non-space borne data), new industrial players (e.g. IT companies), and new funding models (e.g. PPP, venture capital). It is crucial for Europe to adapt to this rapidly evolving market and seize the opportunities it provides. InCubed aims at accompanying the European Economic Operators in this disruptive market evolution.

$\Phi$ -Lab is designed as an open working environment which brings together ESA staff but also external space & non-space actors, innovators, data scientists, and investors on a permanent or temporary basis. This environment and the associated management will aim at rapidly prototyping and testing ideas.

Interested candidates are encouraged to visit the ESA website: <http://www.esa.int>

#### Field(s) of activities

The Young Graduate Trainee (YGT) will provide generic support to the tasks to be performed by the  $\Phi$ -Lab I section. This entails, as examples:

- Supporting programme activities spanning satellite and constellation development, ground segment development and the analysis of new and improved EO products and services in a commercial context
- Contributing to the monitoring of trends and emerging opportunities in global markets including existing and planned EO missions
- Supporting entrepreneurial initiatives and helping to develop new business opportunities within EO to improve European economic operators' competitiveness within related global markets;
- Analysis of the European EO landscape and emerging commercial market within an international context
- Contributing to socioeconomic and market analyses to document the value and impact of European in an international context EO
- Preparation of presentations, fact sheets and communication material for InCubed and  $\Phi$ -Lab I activities.
- Contributing to  $\Phi$ -lab on-line articles and posts
- Support to and participation in dedicated events, workshops relevant to the  $\Phi$ -Lab I domain.

#### Technical competencies

Knowledge of relevant technical domains

Relevant experience gained during internships/project work

Breadth of exposure coming from past and/or current research/activities

Knowledge of ESA and its programmes/projects

#### Behavioural competencies

Self Motivation

Communication

Continuous Learning

Cross-Cultural Sensitivity

Teamwork

#### Education

Applicants should have just completed, or be in their final year of a University course at Masters Level (or equivalent) in a technical or scientific discipline with a proven business/economics element. The recipient of the post will have to demonstrate his/her ability to understand business and economic concepts within the complex and innovative EO landscape promoted by European economic operators.

#### Additional requirements

Additional requirements

- A good knowledge of the EO landscape including the emerging Earth Observation commercial market and a keen interest in the development of EO commercial solutions and their associated business context
- In addition, applicants should demonstrate good interpersonal skills and the capacity to work both independently and as part of a team. This is especially true giving in the context of the fluid and innovative working environment boasted by  $\Phi$ -Lab.
- The working languages of the Agency are English and French. A good knowledge of one of these is required.
- Knowledge of another Member State language would be an asset.
- During the interview the candidates' motivation and overall professional perspective/career goals will also be explored.

#### Other information

For behavioural competencies expected from ESA staff in general, please refer to the [ESA Competency Framework](#).

**The closing date for applications is 4 April 2018.**

If you require support with your application due to a disability, please email [contact.human.resources@esa.int](mailto:contact.human.resources@esa.int).

Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, and the UK, or Slovenia as an Associate Member, Canada as a Cooperating State, Bulgaria, Cyprus, Latvia, Lithuania and Slovakia as European Cooperating States (ECS).

Priority will first be given to candidates from under-represented Member States.

In accordance with the European Space Agency's security procedures and as part of the selection process, successful candidates will be required to undergo basic screening before appointment